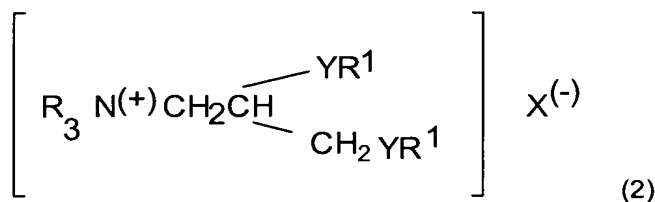


wherein each R substituent is hydrogen or short chain C<sub>1</sub>-C<sub>6</sub> alkyl or hydroxyalkyl group, benzyl, or mixtures thereof; each m is 2 or 3; each n is from 1 to about 4; each Y is -O-(O)C-, -C(O)-O-, -NR-C(O)-, or -C(O)-NR-; each R<sup>1</sup> is a hydrocarbyl, or substituted hydrocarbyl, group, the sum of carbons in each R<sup>1</sup>, plus one when Y is -O-(O)C-, being C<sub>12</sub>-C<sub>22</sub>; the average Iodine Value of the parent fatty acid of the R<sup>1</sup> group being from about 40 to about 140; and wherein the counterion, X<sup>-</sup> is any softener-compatible anion;

2. softener having the formula:

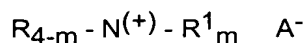


wherein each Y, R, R<sup>1</sup>, and X<sup>(-)</sup> have the same meanings as before; and

3. mixtures thereof.

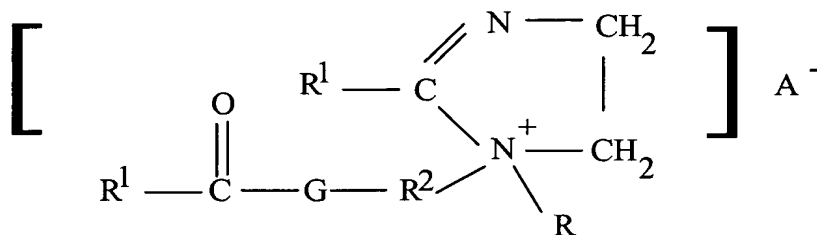
16. The composition of Claim 1 wherein said fabric softener is selected from the group consisting of:

(1) softener having the formula:



wherein each m is 2 or 3, each R<sup>1</sup> is a C<sub>6</sub>-C<sub>22</sub>, but no more than one being less than about C<sub>12</sub> and then the other is at least about 16, hydrocarbyl, or substituted hydrocarbyl substituent, where the Iodine Value is from about 70 to about 140 with a cis/trans ratio of from about 1:1 to about 50:1; each R is H or a short chain C<sub>1</sub>-C<sub>6</sub> alkyl or hydroxyalkyl group, group, benzyl, or (R<sup>2</sup> O)<sub>0-4</sub>H wherein R<sup>2</sup> is a C<sub>1-6</sub> alkylene group; and A<sup>-</sup> is a softener compatible anion;

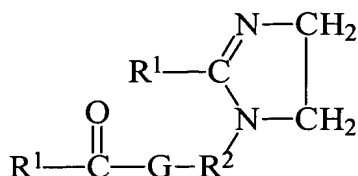
(2) softener having the formula:



wherein each R, R<sup>1</sup>, and A<sup>-</sup> have the definitions given above; each R<sup>2</sup> is a C<sub>1-6</sub> alkylene group; and G is an oxygen atom or an -NR- group;

(3) softener having the formula:

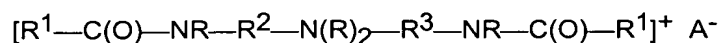
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wherein R<sup>1</sup>, R<sup>2</sup> and G are defined as above;

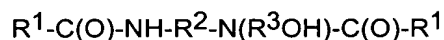
(4) reaction products of substantially unsaturated and/or branched chain higher fatty acids with dialkylenetriamines in, e.g., a molecular ratio of about 2:1;

(5) softener having the formula:



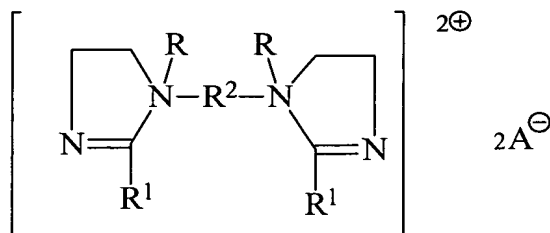
wherein R, R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup> and A<sup>-</sup> are defined as above;

(6) the reaction product of substantially unsaturated and/or branched chain higher fatty acid with hydroxyalkylalkylenediamines in a molecular ratio of about 2:1, said reaction products containing compounds of the formula:



wherein R<sup>1</sup>, R<sup>2</sup> and R<sup>3</sup> are defined as above;

(7) softener having the formula:

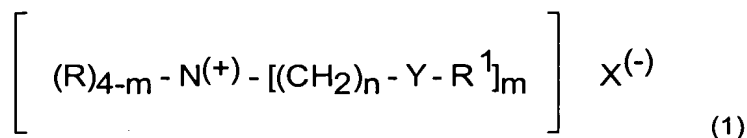


wherein R, R<sup>1</sup>, R<sup>2</sup>, and A<sup>-</sup> are defined as above; and

(8) mixtures thereof;

17. The composition of Claim 1 wherein said fabric softener is selected from the group consisting of:

(1) compounds having the formula:



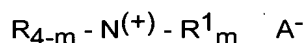
wherein each R substituent is hydrogen or short chain C<sub>1</sub>-C<sub>6</sub> alkyl or hydroxyalkyl group, benzyl, or mixtures thereof; each m is 2 or 3; each n is from 1 to about 4; each Y is -O-(O)C-, or -C(O)-O-; each

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$$\left[ \text{R}_3 \text{N}^{(+)} \text{CH}_2 \text{CH} \begin{array}{l} \text{---} \text{YR}^1 \\ \text{---} \text{CH}_2 \text{YR}^1 \end{array} \right] \text{X}^{(-)} \quad (2)$$

3. softener having the formula:



wherein each m is 2 or 3, each R<sup>1</sup> is a C<sub>6</sub>-C<sub>22</sub>, but no more than one being less than about C<sub>12</sub> and then the other is at least about 16, hydrocarbyl, or substituted hydrocarbyl substituent, where the Iodine Value is from about 70 to about 140 with a cis/trans ratio of from about 1:1 to about 50:1; each R is H or a short chain C<sub>1</sub>-C<sub>6</sub> alkyl or hydroxyalkyl group, group, benzyl, or (R<sup>2</sup> O)<sub>0-4</sub>H wherein R<sup>2</sup> is a C<sub>1-6</sub> alkylene group; and A<sup>-</sup> is a softener compatible anion;

$$\left[ \begin{array}{c} \text{O} \\ \parallel \\ \text{R}^1 - \text{C} - \text{G} - \text{R}^2 \end{array} \begin{array}{c} \text{R}^1 - \text{C} = \text{N} - \text{CH}_2 \\ \diagdown \quad \diagup \\ \text{N}^+ - \text{CH}_2 \\ \diagup \quad \diagdown \\ \text{R} \end{array} \right] \text{A}^+$$

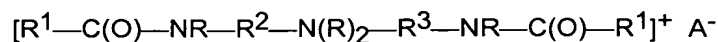
wherein each R, R<sup>1</sup>, and A<sup>-</sup> have the definitions given above; each R<sup>2</sup> is a C<sub>1-6</sub> alkylene group; and G is an oxygen atom or an -NR- group;

$$\begin{array}{c} \text{R}^1-\text{C}=\text{N}-\text{CH}_2 \\ | \qquad \qquad | \\ \text{N}-\text{CH}_2 \\ | \\ \text{R}^1-\text{C}(=\text{O})-\text{G}-\text{R}^2 \end{array}$$

wherein R<sup>1</sup>, R<sup>2</sup> and G are defined as above;

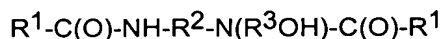
6. reaction products of substantially unsaturated and/or branched chain higher fatty acids with dialkylenetriamines in, e.g., a molecular ratio of about 2:1;

7. softener having the formula:



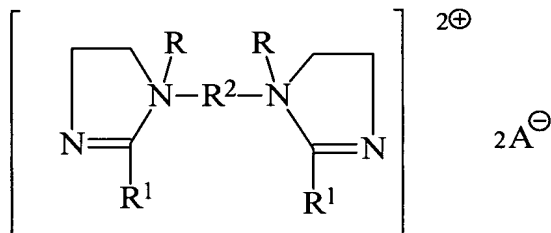
wherein R, R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup> and A<sup>-</sup> are defined as above;

8. the reaction product of substantially unsaturated and/or branched chain higher fatty acid with hydroxyalkylalkylenediamines in a molecular ratio of about 2:1, said reaction products containing compounds of the formula:



wherein R<sup>1</sup>, R<sup>2</sup> and R<sup>3</sup> are defined as above;

9. softener having the formula:



wherein R, R<sup>1</sup>, R<sup>2</sup>, and A<sup>-</sup> are defined as above; and

10. mixtures thereof.

18. The composition of Claim 1 wherein said principal solvent has a ClogP of from about -2 to less than 0.15.

19. The composition of Claim 18 wherein said principal solvent has a ClogP of from about -1.7 to less than 0.15.

20. The composition of Claim 19 wherein said principal solvent has a ClogP of from about -1 to less than 0.15.

21. The composition of Claim 1 wherein said principal solvent has a ClogP of from more than 0.64 to about 2.6.

22. The composition of Claim 21 wherein said principal solvent has a ClogP of from more than 1 to about 2.6.

23. The composition of Claim 21 wherein said principal solvent has a ClogP of from more than 0.64 to about 1.6.

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24. The composition of Claim 21 wherein said principal solvent has a ClogP of from more than 1 to about 1.6.

25. The composition of Claim 1 wherein said electrolyte is selected from the group consisting of:  $MgI_2$ ,  $MgBr_2$ ,  $MgCl_2$ ,  $Mg(NO_3)_2$ ,  $Mg_3(PO_4)_2$ ,  $Mg_2P_2O_7$ ,  $MgSO_4$ , magnesium silicate, NaI, NaBr, NaCl, NaF,  $Na_3(PO_4)$ ,  $NaSO_3$ ,  $Na_2SO_4$ ,  $Na_2SO_3$ ,  $NaNO_3$ ,  $NaIO_3$ ,  $Na(PO_4)_3$ ,  $Na_4P_2O_7$ , sodium silicate, sodium metasilicate, sodium tetrachloroaluminate, sodium tripolyphosphate,  $Na_2Si_3O_7$ , sodium zirconate,  $CaF_2$ ,  $CaCl_2$ ,  $CaBr_2$ ,  $CaI_2$ ,  $CaSO_4$ ,  $Ca(NO_3)_2$ , KI, KBr, KCl, KF,  $KNO_3$ ,  $KIO_3$ ,  $K_2SO_4$ ,  $K_2SO_3$ ,  $K(PO_4)_3$ ,  $K_4(P_2O_7)$ , potassium pyrosulfate, potassium pyrosulfite, LiI, LiBr, LiCl, LiF,  $LiNO_3$ ,  $AlF_3$ ,  $AlCl_3$ ,  $AlBr_3$ ,  $AlI_3$ ,  $Al_2(SO_4)_3$ ,  $Al(PO_4)_3$ ,  $Al(NO_3)_3$ , aluminum silicate, hydrates of these salts, salts with mixed sodium, potassium, magnesium and/or calcium cations, and mixtures thereof.

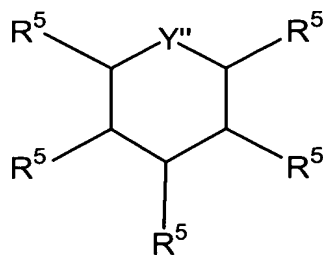
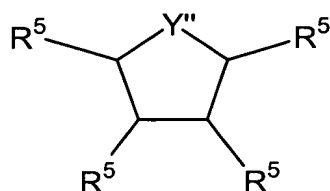
26. The composition of Claim 1 wherein said phase stabilizer is nonionic surfactant derived from saturated and/or unsaturated primary, secondary, and/or branched, amine, amide, amine-oxide fatty alcohol, fatty acid, alkyl phenol, and/or alkyl aryl carboxylic acid compounds, each having from about 6 to about 22 carbon atoms in an alkyl or alkylene chain, wherein at least one active hydrogen of said compound is ethoxylated with  $\leq 30$  ethylene oxide moieties to provide an HLB of from about 8 to about 20.

27. The composition of Claim 26 wherein said compound has from about 8 to about 18 carbon atoms in the alkyl or alkenyl chain and contains from about 5 to about 15 of said ethylene oxide moieties to provide an HLB of from about 10 to about 18.

28. The composition of Claim 27 wherein said compound contains from about 8 to about 12 of said ethylene oxide moieties to provide an HLB of from about 11 to about 15.

29. The composition of Claim 1 wherein said phase stabilizer comprises nonionic surfactants with substantial head groups selected from:

a. surfactants having the formulas:



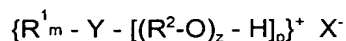
wherein  $Y'' = N$  or  $O$ ; and each  $R^5$  is selected independently from the following:

-H, -OH,  $-(CH_2)_xCH_3$ ,  $-O(OR^2)_z-H$ ,  $-OR^1$ ,  $-OC(O)R^1$ , and  $-CH(CH_2-(OR^2)_{z'}-H)-CH_2-(OR^2)_{z''}-C(O)R^1$ ,  $x$  and  $R^1$  are as defined above and  $z$ ,  $z'$ , and  $z''$  is from about 5 to about 20;

b. polyhydroxy fatty acid amide surfactants of the formula:

wherein: each R<sup>1</sup> is H, C<sub>1</sub>-C<sub>4</sub> hydrocarbyl, C<sub>1</sub>-C<sub>4</sub> alkoxyalkyl, or hydroxyalkyl; R<sup>2</sup> is a C<sub>5</sub>-C<sub>21</sub> hydrocarbyl moiety; and each Z is a polyhydroxyhydrocarbyl moiety having a linear hydrocarbyl chain with at least 3 hydroxyls directly connected to the chain, or an ethoxylated derivative thereof; and

30. The composition of Claim 1 wherein said phase stabilizer comprises surfactant complex formed by one surfactant ion being neutralized with surfactant ion of opposite charge or an electrolyte ion that is suitable for reducing dilution viscosity.



wherein R<sup>1</sup> is selected from the group consisting of saturated or unsaturated, primary, secondary or branched chain alkyl or alkyl-aryl hydrocarbons; said hydrocarbon chain having from about 6 to about 22 carbon atoms; each R<sup>2</sup> is selected from the following groups or combinations of the following groups: -(CH<sub>2</sub>)<sub>n</sub>- and/or -[CH(CH<sub>3</sub>)CH<sub>2</sub>]-; Y is selected from the following groups: =N<sup>+</sup>-(A)<sub>q</sub>; -(CH<sub>2</sub>)<sub>n</sub>-N<sup>+</sup>-(A)<sub>q</sub>; -B-(CH<sub>2</sub>)<sub>n</sub>-N<sup>+</sup>-(A)<sub>2</sub>; -(phenyl)-N<sup>+</sup>-(A)<sub>q</sub>; -(B-phenyl)-N<sup>+</sup>-(A)<sub>q</sub>; with n being from about 1 to about 4, wherein each A is independently selected from the following groups: H; C<sub>1-5</sub> alkyl; R<sup>1</sup>; -(R<sup>2</sup>O)<sub>z</sub>-H; -(CH<sub>2</sub>)<sub>x</sub>CH<sub>3</sub>; phenyl, and substituted aryl; where 0 ≤ x ≤ about 3; and each B is selected from the following groups: -O-; -NA-; -NA<sub>2</sub>; -C(O)O-; and -C(O)N(A)-; , m is 1 or 2, p is 1 or 2, q is 1 or 2, and m + p + q =4; total z per molecule is from about 3 to about 50; and X<sup>-</sup> is an anion which is compatible with fabric softener actives and adjunct ingredients.

34. The composition of Claim 33 wherein R<sup>1</sup> is an alkyl group which contains from about 12 to about 18 carbon atoms; total z = from about 5 to about 16; A is a C<sub>2</sub> alkyl group and X is ethyl sulfate.

35. The composition of Claim 1 comprising:

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a

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B3

ph  
e.

ph  
e.

ph  
e.

ph  
e.

ph  
e.

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